

INTERNATIONAL SEARCH REPORT

	(PCI Afficie	18 and Rules 43 and 4	4)				
Applicant's or agent's file reference 91641	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.						
International application No.	International filing date (day/month/year)		(Earliest) Priority Date (day/month/year)				
PCT/AU 99/00306	23 April 1999		23 April 1998				
Applicant COMMONWEALTH SCIE	ENTIFIC AND IND	USTRIAL RESEAI	RCH ORGANISATION				
This international search report has been preparticle 18. A copy is being transmitted to the		al Searching Authority a	and is transmitted to the applicant according to				
This international search report consists of a	total of 5 sheets.		-				
X It is also accompanied by a	copy of each prior art do	ocument cited in this rep	ort.				
1. Basis of the report							
a. With regard to the language, the which it was filed, unless otherw			of the international application in the language in				
the international search w (Rule 23.1(b)).	as carried out on the bas	sis of a translation of the	international application furnished to this Authority				
b. With regard to any nucleotide ar carried out on the basis of the sec		nce disclosed in the inte	rnational application, the international search was				
contained in the internation	contained in the international application in written form.						
filed together with the int	ernational application in	computer readable form	n.				
furnished subsequently to this Authority in written form.							
furnished subsequently to	this Authority in comp	uter readable form.					
		tten sequence listing do	es not go beyond the disclosure in the international				
application as filed has be the statement that the infe		nputer readable form is	identical to the written sequence listing has been				
2. Certain claims were foun	d unsearchable (See Bo	ox I).					
3. Unity of invention is lack	ing (See Box II).						
4. With regard to the title,	the text is approved a	s submitted by the appl	icant.				
X	the text has been esta	blished by this Authorit	y to read as follows:				
ASSAY FOR METHYLATIO	N IN THE GST-Pi	GENE					
5. With regard to the abstract,		submitted by the applic					
	the text has been estab The applicant may, wi submit comments to the	thin one month from the	e 38.2(b), by this Authority as it appears in Box III. e date of mailing of this international search report,				
6. The figure of the drawings to be published.	lished with the abstract i	s Figure No.					
	as suggested by the ap	plicant.	X None of the figures				
	because the applicant	failed to suggest a figure	•				
	because this figure bet	ter characterizes the inv	ention				

A. CLASSIFICATION OF SUBJECT MATTER

Int Cl6:

C12Q 1/68, 1/48; C12N 15/54

According to International Patent Classification (IPC) or to both national classification and IPC

В. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC⁶ C12Q (see electronic database below)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched (see electronic database below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) (see attached sheet)

C.	DOCUMENTS CONSIDERED TO BE RELEVA	INT			
Category*	Citation of document, with indication, where	Relevant to claim No.			
X,Y	AU 31341/95 A (THE JOHN HOPKINS UNI 1 February 1996 See page 6, lines 19-21 in particular.	1-46			
X,Y	LEE, W.H. et al. (1997) CG Island Methylati Prostatic Carcinoma Cells Detected Using the Prostate Biomarker, CANCER EPIDEMIOLO PREVENTION Volume 6, 443-50. See whole document	Polymerase Chain Reaction: A New	1-46		
X	Further documents are listed in the continuation of Box C	X See patent family ar	nnex		
"A" document of comments of the interest of th	ial categories of cited documents: ment defining the general state of the art which is considered to be of particular relevance or application or patent but published on or after international filing date ment which may throw doubts on priority claim(s) nich is cited to establish the publication date of iner citation or other special reason (as specified) ment referring to an oral disclosure, use, botton or other means ment published prior to the international filing but later than the priority date claimed	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family			
Date of the actual completion of the international search 7 May 1999		Date of mailing of the international search report 25 MAY 1999			
Name and ma AUSTRALIAN PO BOX 200 WODEN AC AUSTRALIA		Authorized officer DAVID HENNESSY			
	: (02) 6285 3929	Telephone No.: (02) 6283 2255			

	PCT/AU 99/00306				
C (Continuat	tion). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages				
P,X	BROOKS, J.D. et al. (1998) CG Island Methylation Changes Near the GSTPI Gene in Prostatic Intraepithelial Neoplasia, CANCER EPIDEMIOLOGY, BIOMARKERS AND PREVENTION, Volume 7531-6. See whole document.	1-46			
X,Y	JHAVERI. M.S. et al. (1998) Methylation-mediated regulation of the glutathione S-transferase PI gene in human breast cancer cells, GENE, Volumn 210(1), 1-7 27 March 1998. See 'materials and methods' in particular	1-46			
P,X,Y	ESTELLER, M. et al. (1998) Inactivation of Glutathione S-Transferase PI Gene by Promoter Hypermethylation in Human Neoplasia, CANCER RESEARCH, Volume 58, 4515-8. See whole document.				
Y	LEE, W.H. et al. (1994) Cytidine methylation of regulatory sequences near the Π-class glutathione S-transferase gene accompanies human prostatic carcinogenesis, PROC. NATL. ACAD. SCI. Vol. 91, 11733-7. See whole document	1-46			
T	MILLER, D.S. et al. (1999) Detailed methylation analysis of the glutathione S-transferase Π (GSTPI) gene in prostate cancer, ONCOGENE, Vol. 18(6), 1313-24				

INTERNATIONAL SEAR REPORT Information on patent family members



International application No. PCT/AU 99/00306

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
AU	31341/95	WO	96/02674	EP	771362	JP	10504187
ļ		CA	2195396	US	5552277		

END OF ANNEX

INTERNATIONAL PRELIMINARY EXAMINATION REPORT



International Application No. PCT/ AU 99/00306

Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: B

Electronic database consulted during the International Search

1. DERWENT; FILE WPAT, JPAT.

SS 1: C12Q/IC (32597)

(WPAT (24538)

JAPIO (8059)

SS 2: GLUTATHIUONE (5W) TRANSFERASE? (0)

WPAT

JAPIO (0)

SS 3: TRANSFERASE (2672)

WPAT (2211)

JAPIO (461)

SS4: GLUTATHIONE AND TRANSFERASE (155)

WPAT (128)

JAPIO (27)

SS 5: GLUTATHIONE (5W) TRANSFERASE (152)

WPAT

JAPIO (27)

SS 6: 1 AND 5 (22)

WPAT (20)

JAPIO (2)

2. STN; FILE MEDLINE, CA.

FILE 'MEDLINE'

E GLUTATHIONE/CT

E GLUTATHIONE TRANSFERASE

L1 10995 S GLUTATHIONE AND TRANSFERASE

L2 85 S L1 AND METHYLATION

L3 31 S L2 AND (ASSAY OR DIAGNOS? OR TEST?)

FILE 'CA'

L4 28 S L2 AND (ASSAY OR DIAGNOS? OR TEST?)

L5 0 S L4 NOT L3